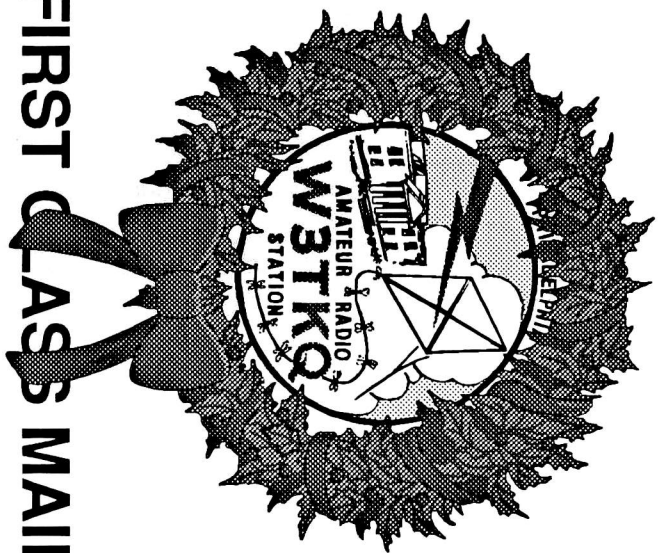


FIRST CLASS MAIL



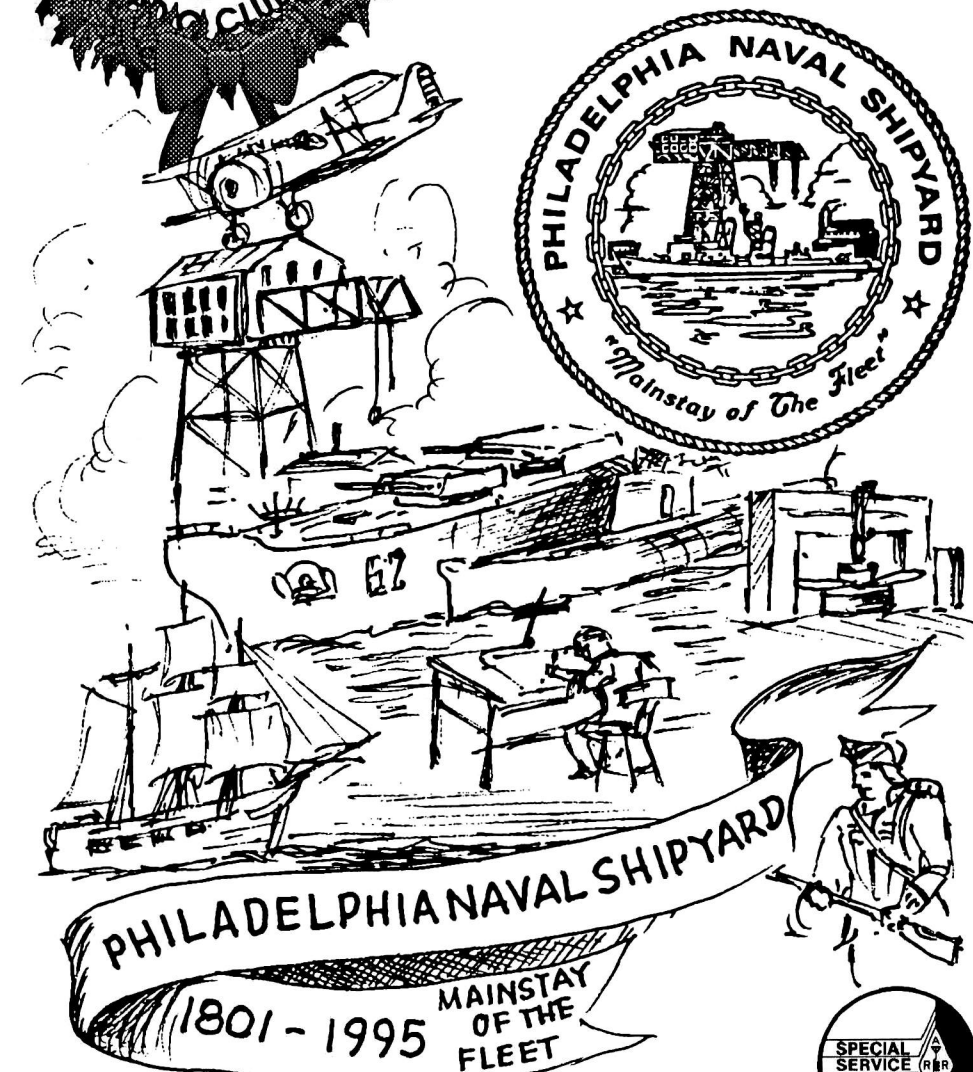
THE PHIL-MONT MOBILE RADIO CLUB, INC.
c/o 641 Kismet Road, Philadelphia, PA 19115-1114

A Publication of

The Blurb

The Blurb

December 1995



Our 46th year



VOLUME 45

is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. *Blurb* subscriptions are available to nonmembers for \$10 addressed to the Treasurer. The club meets sometime after 7:30 p.m. on the first non-holiday WEDNESDAY of every month at **The Franklin Institute Science Museum**, Benjamin Franklin Parkway at 20th Street, Philadelphia. Enter from Winter Street, or the parking garage on 21st street.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - the first non-holiday Thursday of every month at The Franklin Institute Science Museum—doors close at 6:30 p.m. - **SHARP!**

CLUB INFORMATION

24-Hour Information Number at W3TKQ: **(215) 448-1139**

Repeater frequencies: 147.03 MHz (Roxboro input requires no PL, but outputs 91.5 Hz.)

PL required for off-site receiver (OSR) access:

Bucks County 131.8 Hz—Center City 103.5 Hz—Lansdale 114.8 Hz

444.80 MHz (186.2 Hz PL)

Simplex frequency: 147.51 MHz

Packet BBS frequency at W3TKQ: 144.99 MHz

Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3TKQ - The Franklin Institute Science Museum, Philadelphia, PA - Trustee WU3I

AMATEURS (with license) ARE ALWAYS WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: WU3I, Steve Hoch, 4638 Oakland Street, Philadelphia, PA 19124 (215) 535-8061

1st VICE PRESIDENT: KE3CZ, Bob Wilcox, P.O. Box 21914, Philadelphia, PA 19124 (215) 535-7355

2nd VICE PRESIDENT: N3FVI, Bill Popovic, 343 Lemonte Street, Philadelphia, PA 19128 (215) 487-9472

SECRETARY: W3STW, Al Tribble, 2848 Carter Road, Trevoze, PA 19053 (215) 639-6771

TREASURER: N3KGG, Dave Witkowski, 730 Greymont Street, Philadelphia, PA 19116 (215) 969-5485

ASSISTANT TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095 (215) 572-5238

DIRECTORS

W3BBB (96); AA3EP (95); K3GNM (A); W3GQD (A); KB3IV (95); K3KUD (A); W3RM (96)

COMMITTEES

Archives: W3IIN
Blurb Folding: WB3KOH&J
 Budget /Audit: K3KUD
 Directory: WB3KOJ
 Education: AA3CH
 Emerg. Coord.: W3BBB

Field Day: N3IEI
 Membership: N3OWM
 Net Control: KB3IV
 Program: KE3CZ
 Publicity: N3IEI
 Refreshments: N3FVI

Repeater: W3BBB
 Special Events: AA3EP
 VE Program: ND3Q
 TVI: W3VVS
 W3TKQ: KB3IV
 Welcome: NEEDED

Blurb STAFF

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Artist: N3QIE

Labels: WB3KOJ

Publisher/Typist: W3IIN

DEADLINE: To be assured of publication in the current month, all copy MUST be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET
LAST WED	20:00	147.030	MHz FM	W3TKQ OPERATORS' NET

DECEMBER BIRTHDAYS

- 02 Me
 Patricia Katz (XYL N3OWM)
 06 Susie Lada - N3FTY
 08 Angelo Drammissi - K3YUN
 Al Rowland - W3JIL
 Jules Stein - KB3AFH*
 09 Jim Bock - K3PHC
 Dorothy Hart (XYL N3OBT)
 13 Bill Bianco - KA3ZHB
 15 Byron Peebles -NZ3O
 19 Larry Stevenson - KD3QE
 20 Frank Lewis - N3DGU
 Mike Tannenbaum - K2BN*
 21 Rick Spencer - N3DHI
 23 Geoff Mendelson - N3OWJ
 24 Chris Vance - N3WCO*
 Marty Weinberg - WP4MSX*
 25 Jim McCloskey - KE3OP
 27 Jim Spencer - W3BBB
 28 Betty King (XYL W3PXY)
 29 Adam O'Donnell - N3RCS
 Sal Valente - NS3Y
 31 Rheba Bock (XYL K3PHC)

*Indicates New Member 94-95

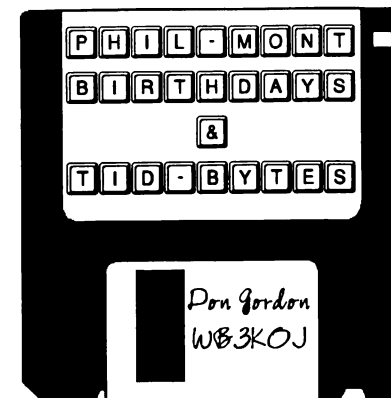
HELP PHIL-MONT

Are you planning to join ARRL or renew your current membership? Help P.M.R.C. by joining or renewing through the club, contact Ed Masarsky, KB3IV, for details.

DUES & DIRECTORY UPDATE

December's here again so it's DUES & DIRECTORY UPDATE time. With this issue you received your 1996 Dues Invoice/Directory Information Sheet. Please carefully check your personal information and return to KB3IV with your Dues and Franklin Institute Optional Donation. Your early response will be greatly appreciated, and will save InkJet ink and paper... I'm cheap!

"DON'T TAILGATE... WAIT"—for the courtesy ♪



MEMBERSHIP STATS

175 Fully Paid
 24 Family
 3 Honorary
 3 Pending

GOODIES

Feedback

For Sale by PMRC

Realistic Aircraft Monitor Receiver
108-136 MHz AM-FM ----- \$ 25

Hallicrafters S-118 Receiver
General Coverage ----- 35

U.S. Robotics External Modem
2400/9600 Model Courier HST
in box with paperwork ----- 25

Two Mono Monitors, one is Amber
and one is B&W ----- ea. 15

Zenith PCs CGA mono monitor
640 k ram 2-360k floppies
no hard drive several available
will supply system disk ----- ea. 35

Parallel printer-dot matrix. ----- 50

Commodore 64 computer
Commodore c64c computer
1 working 1 for parts
1526 printer
1525 printer
indus gt disk drive
1541 disk drive
messenger modem
direct connect modem
assorted commodore books and guides
assorted programs
----- make reasonable offer
----- maybe an even unreasonable offer

For Private Sale

MFJ 986 roller inductor tuner, in box,
used little if at all. Lists for \$299
a bargain at ----- 200

WU3I, Steve
wu3i@w3tkq.#epa.pa.usa.noam
evenings: 215-535-8061

"Vote for two"

You'd better hurry if you want to be a 'second vice president'! It was a nice idea while it lasted, Jake, but there's now some thinking that we have enough trouble filling four officers' posts, much less five!

And while we're at it, perhaps we should draft some 'Rules of Nomination' to include the proviso that to be a *qualified* nominee, one must *first* have demonstrated a willingness and ability to perform the duties and responsibilities of any previous positions held in the club.

Also, it makes little sense to this observer to 'force' the club to hold what appears to be a 'token' election, just because it's the Annual Meeting... and because "that's what we've always done in December." Many clubs now 'nominate' the complete slate, and without objection, the nominees are 'elected'. I know very few people who *really* want to compete to be elected to anything anymore. (Other than in Washington, of course, where they have the power to tax us all for the benefit of their favorite 'charities'.)

Elections used to be fun when the candidates actually campaigned for the post. Now it's next to impossible to even get more than one person to agree to be a nominee—all the while they're praying that they *don't* get elected!

It's time to rethink the entire process—tradition or not! I'd rather come to a meeting to hear an interesting speaker (remember when we regularly had them?). To come just to validate—in five minutes—a non-contest is ludicrous. Perhaps the 'Judge' will hang around for awhile to tell a few jokes.

W3IIM

The PREZ SEZ

Steve Hoch, WU3I



Well, here we are again, another year gone, and a new one chasing us down. It's time for elections of club officers, except the only race is in the directors' positions for the second year in a row.

We have tried to celebrate the club's anniversary (only every 5 years not annually), but could not put together an anniversary celebration on a day, and at a time, to please everyone at the last minute in 1994 (our 45th), and still cannot find a *volunteer* to coordinate the big 50 in 1999.

As I write this, Thanksgiving is fast approaching, and Christmas and Hanukkah close on its heels. 1995 is

coming to an end, and all I have done is to complain on what hasn't been done. Well let's talk about what *has* been working!

A tip of the ole Presidential hat to Al, W3STW for the great job with the minutes. Thanks to Thom, KA4LIF, for assisting me with some of the antenna work I have done in the past year, and to Charlie, AA3EP, for coordinating and coaxing operators out on special events.

Thanks to all the officers and directors for making 1995 an easy year for me as president (and I'll be looking for your help in 1996 too!).

Join me for the *Annual Meeting* in December, where we will hold the elections.

Happy Holidays to all. ☺

EVICTION NOTICE

P.M.R.C. HAS RECEIVED NOTICE FROM THE OWNER OF WFLN, THE HAPPY HOME OF W3QV FOR 22 YEARS, TO VACATE THE PREMISES BY DECEMBER 31, 1995. IF ANY MEMBER HAS INFORMATION ON A POSSIBLE SITE FOR THE REPEATER, PLEASE CONTACT JIM SPENCER (W3BBB) AT 215-362-5172.

UPCOMING

- Dec 6 **Annual Meeting
Election**
- Dec 7 License Examinations at
The Franklin Institute
- Dec 20 Directors' Meeting at
N3FVI's
~~~~
- Jan 3      **General Meeting**
- Jan 4      License Examinations at  
The Franklin Institute
- Jan 17     Directors' Meeting  
~~~~

HAMFESTS

Check-out our *GOODIES* in this issue.

- Dec 3 WILMINGTON, DE
Central Atlantic ATV Network
- ~1996~
- Mar 17 YORK, PA
Keystone VHF Club
- May 5 WRIGHTSTOWN, PA
Warminster ARC
- July 28 TIMONIUM, MD
BRATS

Federal Communications Commission
1270 Fairfield Road
Gettysburg, PA 17325
License Information
800-322-1117—M-F 0800-1630
Fax-On-Demand
202-418-0177

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must two means of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. **The ARRL VEC's 1995 test fee is \$5.90; there is no charge for a Novice test.**

- **The FRANKLIN INSTITUTE**
Monthly, 1st Thursday—Dusty Rhoads, ND3Q
(215) 879-0505 day, (215) 448-1139 24-hours
- **BELLMAWR, NJ**
Monthly, 3rd Thursday—Bill Helmatag
(609) 546-7710
- **BRYN MAWR**
Irregularly—Bob Lees
(215) 265-6032
- **LEVITTOWN**
Monthly, 1st Saturday—George LeNoir, WR3B
(215) 943-4886
- **LINWOOD, PA—(Commercial & Amateur Exams.)**
Russ Stafford, AA3CH
(610) 358-2311
- **MORRISVILLE**
Monthly, 3rd Thursday—Dave Munson, NM3K
(215) 788-7515
- **POTTSTOWN**
Monthly, 1st Monday—Warren Erdman K3ZXQ
(215) 679-5764
- **TELFORD**
Monthly, 3rd Monday—Warren Erdman K3ZXQ
(215) 679-5764
- **UNIVERSITY OF PA**
Monthly, Last Saturday—Jeff DePolo
(215) 898-8538 shack, (215) 337-7383 home
- **WARMINSTER**
Monthly, Last Wed.—Tom Michaud, WA3TQJ
(215) 343-3494

PUBLIC SERVICE EVENTS

- Charlie Weigand, AA3EP (215) 324-0167
- Dec 3 Brian's Run (West Chester area)
- Apr 14&21 M.S. Walk
- May 19 Spring Challenge

CLUB INFORMATION

24 Hour Information Number at W3TKQ
(215) 448-1139

127TH MONTHLY VE SESSION STATISTICS NOVEMBER

11 candidates took 22 elements
3 new amateurs plus 2 upgrades

VE team members:

Dusty Rhoads, ND3Q, Chairman

Bill Hempsey, N3DCM; Sam Lewis, N3GPQ; Wally Newell, K3JJO;
Dick Malone, N3MGS; Jim McCloskey, KE3OP; Bob Thomas, W3QZO;
Jeff Kerber, KE3UV; Gene Gadlin, KA3VKC

**AMATEUR LICENSE EXAMS HELD ON THE FIRST
NON-HOLIDAY THURSDAY OF EVERY MONTH**
Registration begins at 6:00 PM

Doors close at 6:30 PM sharp

**THE FRANKLIN INSTITUTE
SCIENCE MUSEUM**

For Information Call ND3Q at
(215) 448-1139 or 879-0505

Accessible by the handicapped.



NEW MEMBER APPLICATIONS

CALL: WB0CPR

NAME: Carl Owens

HANDLE: Carl

CLASS: Extra

**ADDRESS: 1961 Princeton Avenue
Philadelphia, PA
19149**

HOME PHONE: 215-742-6605

BUSINESS PHONE: 215-597-6022 x132

OCCUPATION: Programmer Analyst

INTERESTS:

CALL: KA3LCF

NAME: John Frombach

HANDLE: John

CLASS: Advanced

**ADDRESS: 3342 Livingston Street
Philadelphia, PA
19134**

HOME PHONE: 215-426-0972

BUSINESS PHONE:

OCCUPATION: Technician

INTERESTS: VE

THE W 3 T K Q REPORT

On Saturday 11/18, an electrical storm raced through the area, and W3TKQ was victimized. Thankfully none of the rigs took a direct hit, but we lost one power supply which N3FVI has already repaired. The BBS was down for 3 days 'till a loaner supply was located.

The new 440 rig is in, and W3BBB will be mounting a new panel in position number one ASAP.

The Yaesu 7400 has *TRAC* tuning which will greatly reduce intermod.

There has been a bit of confusion on antennas and SWR readings. In the front of the logbook there are SWR readings on all the HF antennas with the tuners disengaged. Please consult these readings before panicking. The 21MHz on the beam has changed over the years but it is not so bad as to require dropping the beam for service.

Thanks to Butch, KA3WVT, for his equipment donation to the club, and the funds from subsequent sales will help keep the station in top shape.

The Kenwood 2570 will be in shortly for a 70 watt intercom for ATV right at position seven.

—Steve Hoch, WU3I

W3TKQ Operators' Net

The last Wednesday of every month at 8 p.m., on 147.03.

MINUTES

NOVEMBER GENERAL MEETING

Al Tribble, W3STW, Secretary



President WU3I Steve opened the 550th PMRC General meeting at 7:40 P.M., while a lot of us were still at the refreshment table. N3FVI, Bill, because this was "Old Timers Night," really put together a fine array of pastries and beverages.

Steve's opening comments were about a party held on the fourth floor of the Museum the past Saturday night. It seems the party host wanted W3TKQ opened. In response, Steve and KA4LIF, Thom, gave up their precious time to explain and operate W3TKQ for the party visitors. Steve and Thom must have done a great job, because the party host is giving a monetary gift to W3TKQ. Further, Steve put in five hours on Friday night October 27th, at W3TKQ, explaining station operation to some visiting school teachers. While a monetary gift will not be forth coming, this is good P.R. for which there is no price.

Assistant PMRC Treasurer KB3IV, Ed, reported that on September 6th, there was a balance of \$884.35. In the interim, an income of \$146.00 and an expense of \$700.04. Tonight's balance is \$330.31. Ed asks that we watch our December *Blurb* which will contain your bill for next year's dues, and a club directory update sheet. If you have an e-mail address include that information too.

Ed, also Net Control Chairman, happily reported that the addition of K3JJO Wal-ly, WA3NSP Bill, WB3CMM Bill, and N3RCS Adam to the CW Training Net as

net control operators has improved the net control duty cycle. This will certainly be a relief to prime mover and cw net stalwart W3RM, Dick. The 2, 10 and 75 meter nets are running smoothly. However, Ed reminds those who are interested in participating in net control activities to contact him. Ed's telephone number is right here in the *Blurb*.

Regarding the Jacket Project, Chairman Ed says jacket orders will be placed in groups of twelve; prices are based on sizes: size small to X-large \$45.00, 2X \$47.00 and 3X \$49.00.

From our Emergency Coordinating and W3QV Repeater Committee Chairman W3BBB Jim comes notification that on hand are many items of amateur radio equipment from estates that he is handling. Need a spare receiver, transmitter, switch etc? Give Jim a call.

Special Events Chairman AA3EP Charlie, is looking for volunteers for the December 3rd 10-mile Brian's Run near West Chester University—there will be food. If you can donate about a half day of your time then contact either Charlie or AA3CH Russ. Both are listed in the PMRC directory.

When asked by the President if he had anything to report, TVI Committee Chairman W3VVS Paul says "keep your coax fittings tight."

N3FVI, Bill, reporting on W3TKQ activities, said that two transceivers have been ordered, and should be received by

Mid-Month (the Board of Directors' meeting). Stay tuned to the *Blurb* or drop by W3TKQ for more information.

Membership Chairman N3OWM, Ted, reports a new member application from N3WCO, Chris, will be forwarded to the Board of Directors for action this month.

Nominating Committee Chairman W3STW, Al, gave a few words of thanks for those who had participated in the process. Candidates for the December 1995 PMRC elections are: for President WU3I Steve, 1st Vice President N3FVI Bill, 2nd Vice President KA4LIF Tom, Secretary AA3CH Russ, Treasurer KB3IV Ed, Director AA3EP Charlie, Director KE3CZ Bob, Director

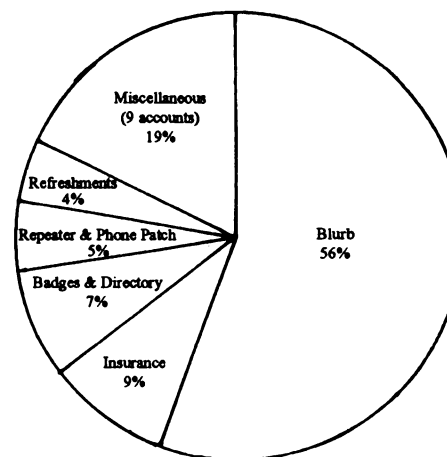
K3GNM Al. You can only vote for two directors. Having read the list of Nominees for election and hearing no nominations from the floor, according to the PMRC Rules of Elections, nominations for the PMRC December 6th, 1995 election are closed. Election Judge W3BBB Jim says that he will take absentee ballots. Place your choice for director in a sealed unmarked envelope then place the unmarked envelope in an envelope addressed to him.

President Steve then introduced our guest speaker W3FB Jerry. After a very interesting and informative talk, President Steve thanked the thirty members and six guests for making "Old Timers' Night" a success. ☺



Where does the money go?

If this hasn't crossed your mind when paying your dues, you haven't been paying attention.



This chart lays it out in black and white.

- The *Blurb* (56%) and the Repeater (5%) are the two features that have held Phil-Mont together for more than 45 years.
- Liability Insurance (9%) is a 'must' in these times.
- Badges-Directory (7%) and meeting Refreshments are part of our appeal to members.
- The balance (19%) covers Archives, ARRL renewals, Awards, Door Prizes, Sunshine Fund, Special Events, W3TKQ, and Secretary's Supplies.

Our major source of income is Dues (72%). Other sources of income include items partially offset by expenses.

W3BBB

ABOUT THE COVER

This montage represents various points in the Philadelphia Naval Shipyard's history.

At the lower left is a sailing ship representing the first official US Navy ship built at the Federal Street location. That ship was the 74 gun ship of the line *Franklin* launched in 1815.

The lower right depicts a US Marine of 1775. The Marines were first organized at Tun Tavern on Dock Street, just north of the Federal Street Shipyard.

At the upper left is the shipyard's hammerhead crane. Built during World War I, it stands 195 feet tall, and can lift 350 tons.

Flying over the crane is one of the more than 1,000 aircraft of the many types built at the Naval Aircraft factory during WW-I and II. It was the only navy yard to have an aircraft factory and airbase (Mustin Field).

The center of the group represents the battleships and submarines that were built during the two world wars, and to their right is the highly classified propeller 'profiler', the only one of its type, and which is still producing for the navy.

The man at the drawing table represents the millions of plans for the construction and overhaul of the many ships that were built at, or visited the yard.

And the logo at the top was designed in 1958, and was the first of 173 navy logos to follow, all created by shipyard employee, and Phil-Mont member, N3QIE. ☺

Jim says he will cut the panel needed to house the new gear.

Regarding Old Business Steve asked WA3NSP Bill to read his proposal that would involve PMRC. Bill is an Official Observer (OO) and would like to see PMRC taking on the responsibility of a Local Interference Committee (LIC). After discussing the issue the BoD decided not to get involved.

W3STW introduce a proposal to change the BoD meeting place to the Franklin Institute on Saturdays from the hours of 10 A.M. to 3 P.M. for a period not to exceed 90 minutes. Al

is asking the BoD to vote on this proposal at the December BoD meeting.

K3KUD Bob proposed that the office of the 2nd Vice President be eliminated.

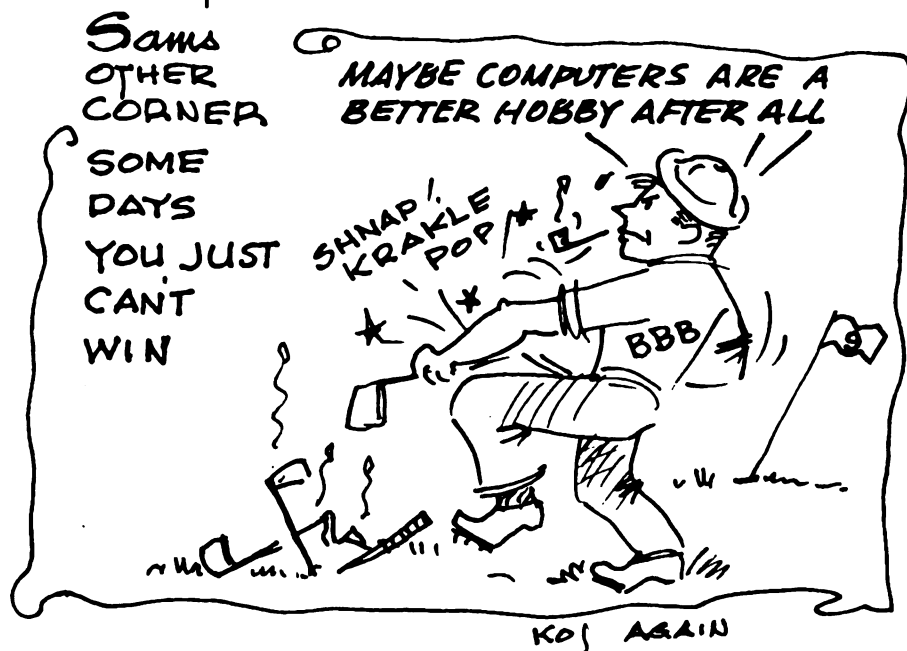
The meeting was adjourned 9:33 P.M. Attending were: W3BBB Jim, N3FVI Bill, W3GQD Bill, WN3ASP Bill, KB3IV Ed, K3GNM Al, W3RMDick, K3KUD Bob, N3AXJ Perry, N3OWM Ted, WU3I Steve and W3STW Al.

The BoD thanks Elaine and Jim very very much for opening their lovely home to us, and for the refreshments served. ☺

"WEATHER ALERT"

When you hear this message on the repeater, it means that the time-out has been significantly shortened—you should avoid the urge to ragchew.

Remember that this is a *mobile* radio club, and especially when we have bad highway conditions, the repeater should remain available for emergency calls!



MINUTES

NOVEMBER DIRECTORS' MEETING

Al Tribble, W3STW, Secretary

President WU3I Steve opened the meeting at 8:12 P.M. Our first report was from our Assistant Treasurer KB3IV Ed who reported that from November 1 to tonight there was a balance of \$330.31, an income of \$61.00 and an expense of \$219.25. Our balance tonight is \$173.06. President Steve turned over \$250 from the sale of equipment donated by N3WVT Butch. Thank you very much Butch, and thank you Steve for your time and effort.

Steve mentioned our Special Services Club (SSC) renewal from the ARRL. W3RM Dick, gave Steve the renewal to sign, after the signing Dick said he would forward the SSC renewal to the ARRL.

From the Membership committee Chairman N3OWM TED, comes the nomination of N3CWO Chris for membership. A motion for acceptance was made by the President WU3I Steve and seconded by the Secretary W3STW Al. All attending voted for the motion. Congratulations Chris.

Ted reports he is experiencing a mild problem in putting the membership packages together as the I.D. badges are slow. It is the consensus of BoD not delay membership packages. Net Control Chairman KB3IV Ed, says the nets are running well, and is very happy about the support that participants of the Tuesday night CW training are receiving from the Net Control Operators. If you have not tuned into the net lately do so and check-in.

Steve, wanting information about PMRC general meeting programs, asked First Vice President elect N3FVI Bill, for

some ideas as to what programs may be featured in 1996. Bill says he is working toward a PECo lecture in January, with additional lectures on SSTV and Satellite operation. Bill asks if anyone is able to present a general meeting program to please contact him. Bill's telephone number is right here in the *Blurb*. Anyone for Packet ahhhh Internet?

Regarding the W3QV repeater Control Operator, W3BBB Jim, reports a new site for the repeater may be needed as the property where the repeater is located is being sold.

Steve reminds us that it is still not too late to volunteer for the special event Brian's Run, if you can help please contact AA3EP Charlie or AA3CH Russ; Charlie's telephone number is in the *Blurb*.

Reporting for the V.E. Program Steve tells us that this year's program is five people shy of exceeding the number of people taking examinations last year. Last year was a record high too. Starting January 1996 the examination fee will be \$6.05.

Reporting on W3TKQ Steve says the station experienced a voltage spike, on or about the 11th of November that disabled some equipment. While he was repairing the gear Steve also took time to mount the ATV camera on a wall bracket with pan and tilt capabilities. Those operating W3TKQ know this means one less tripod to trip over, thank you Steve. By Monday the 14th Steve had all equipment operating.

N3FVI Bill showed us the new Yaesu FT-7400 70 CM transceiver and says the 2570 2m rig is still out for repair. W3BBB

1995

DECEMBER

1995

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3 2M NCS KB3IV 10M NCS W3HFX 75M NCS W3PWG <i>Central Atlantic ATV Hamfest</i>	4	5 CODE PRACTICE NET at 8 PM <i>Prohibition Repealed 1933</i>	6 GENERAL MEETING at The Franklin Institute Refreshments at 7:00 p.m. Meeting starts at 7:30.	7 ○ LICENSE EXAMS at The Franklin Institute Registration begins at 6:00 Doors close at 6:30 p.m. <i>sharp!</i>	8 / 1	9 / 2
10 2M NCS N3FTY 10M NCS W3HFX 75M NCS AA3CH	11	12 CODE PRACTICE NET at 8 PM	13 <i>Geminid Meteor Shower</i>	14	15	16
17 2M NCS W3GQD 10M NCS W3HFX 75M NCS W3STW	18 <i>Chanukah</i>	19 CODE PRACTICE NET at 8 PM	20 DIRECTORS' MEETING at N3FVI's	21	22 ● <i>Winter Solstice</i>	23
24 2M NCS N3OWM 10M NCS W3HFX 75M NCS KB3IV	25 <i>Christmas Day</i>	26 CODE PRACTICE NET at 8 PM	27 W3TKQ OPERATORS' NET 8 PM	28	29	30
31  2M NCS W3BBB 10M NCS W3HFX 75M NCS W3BBB <i>Straight Key Night</i>				A proverb is a short sentence based on long experience.		